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<110> BAKER, Matthew
CARR, Francis J.

<120> MODIFIED BRYODIN 1 WITH REDUCED
IMMUNOGENICITY

<130> MER-134

<140> US/10/517,707
<141> 2004-12-10

<150> PCT/EP03/06055
<151> 2003-06-10

<150> EP 02012911.0
<151> 2002-06-11

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50 55 60
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65 70 75 80
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85 90 95
Lys Asp Ala Lys Lys Val Thr Leu Pro Tyr Ser Gly Asn Tyr Glu
100 105 110
Arg Leu Gln Thr Ala Ala Gly Lys Ile Arg Glu Asn Ile Pro Leu Gly
115 120 125
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130 135 140
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145 150 155 160
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165 170 175
Lys Thr Phe Leu Pro Ser Leu Ala Thr Ile Ser Leu Glu Asn Asn Trp
180 185 190
Ser Ala Leu Ser Lys Gln Ile Gln Ile Ala Ser Thr Asn Asn Gly Gln
195 200 205
Phe Glu Ser Pro Val Val Leu Ile Asp Gly Asn Asn Gln Arg Val Ser
210 215 220
Ile Thr Asn Ala Ser Ala Arg Val Val Thr Ser Asn Ile Ala Leu Leu
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Tyr Phe Phe Asn Glu Ala Ser Ala Thr Glu Ala Ala Lys Phe Val Phe
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145 150 155 160
Ser Ala Arg Tyr Lys Phe Ile Glu Gln Gln Ile Gly Lys Arg Val Asp
165 170 175
Lys Thr Phe Leu Pro Ser Leu Ala Thr Ile Ser Leu Glu Asn Asn Trp
180 185 190
Ser Ala Leu Ser Lys Gln Ile Gln Ile Ala Ser Thr Asn Asn Gly Gln
195 200 205
Phe Glu Ser Pro Val Val Leu Ile Asp Gly Asn Asn Gln Arg Val Ser
210 215 220
Ile Thr Asn Ala Ser Ala Arg Val Val Thr Ser Asn Ile Ala Leu Leu
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 35 40 45
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 Lys Asp Ala Lys Lys Xaa Thr Leu Pro Tyr Ser Gly Asn Tyr Glu
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 Arg Xaa Gln Thr Xaa Ala Xaa Xaa Xaa Glu Asn Xaa Pro Leu Gly
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 Lys Thr Phe Leu Pro Ser Leu Ala Thr Xaa Ser Xaa Glu Asn Asn Trp
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 Phe Glu Ser Pro Val Val Leu Ile Asp Gly Asn Asn Gln Arg Val Ser
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 Ile Thr Asn Ala Ser Ala Arg Val Val Thr Ser Asn Ile Ala Leu Leu
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Ala Ala Ile Gly Glu Asp Ile Ser Met Thr Leu Ile Gly
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Glu Asp Ile Ser Met Thr Leu Ile Gly Phe Glu His Gly
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Met Thr Leu Ile Gly Phe Glu His Gly Leu Tyr Gly Ile
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Arg Tyr Thr Leu Leu His Leu Thr Asn Tyr Ala Asp Glu Thr Ile
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Pro Ala Leu Asp Ser Ala Ile Thr Thr Leu Tyr Tyr Tyr Thr Ala
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Asp Ser Ala Ile Thr Thr Leu Tyr Tyr Tyr Thr Ala Ser Ser Ala
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Ile Thr Thr Leu Tyr Tyr Tyr Ala Ser Ser Ala Ala Ser Ala
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1 5 10 15